



Nemours Children's Hospital
2015 Progress Report

Nemours[®] Children's Hospital

Orlando, Fla.

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Introduction

Nemours Children’s Health System is an internationally recognized, integrated children’s health system that owns and operates Nemours/ Alfred I. duPont Hospital for Children in Wilmington, Del., and Nemours Children’s Hospital (NCH) in Orlando, as well as pediatric specialty, primary and urgent care offices in Delaware, Florida, Pennsylvania, Maryland and New Jersey.

Nemours has grown significantly in Central Florida since NCH opened in October 2012. The health system now owns and operates 14 Nemours Children’s Primary Care, six Nemours Children’s Urgent Care and three Nemours Children’s Specialty Care offices conveniently located throughout the region. Nemours is putting its expertise to work in improving pediatric care in Florida through coordinated patient- and family-centered care that includes medical services, biomedical research and graduate medical education, dedicated to a high standard of quality and safety outcomes.

During 2013, Nemours engaged Professional Research Consultants, Inc., to conduct a Child & Adolescent Health Needs Assessment (CHNA) with the goal of gathering data to assist in determining the health status, behaviors, and needs of children and adolescents in the service area which has been defined as households with children in Brevard, Orange, Osceola and Seminole counties in Florida.

The assessment was comprised of both qualitative and quantitative data including a customized local child and adolescent health survey, key informant focus groups, public health data, Vital Statistical data and other benchmark data. The following areas of opportunity represent the significant health needs of children and adolescents in the community based on the information gathered through this study:

Areas of Opportunity

- Access to Health Services
- Nutrition, Physical Activity and Weight
- Prenatal and Infant Health
- Health Education
- Injury and Safety
- Mental and Emotional Health
- Vision, Hearing & Speech

After reviewing this Community Health Needs Assessment report, Nemours leaders met to evaluate and prioritize the top health needs for children in the community using the following criteria:

- Magnitude – the number of children affected and the differences from state/national health data and Healthy People 2020 objectives
- Seriousness – the degree to which a health issue leads to death, disability or loss of the quality of life
- Impact – the degree to which the health issues affect/exacerbate other health issues
- Feasibility – the ability to reasonably impact the issue, given available resources
- Consequences of inaction – the risk of exacerbating the problem by not addressing at the earliest opportunity

After careful analysis, the top three areas of opportunity identified included Access to Health Services; Nutrition, Physical Activity and Weight; and Prenatal and Infant Health. The focus of our implementation plan was on these top three areas of opportunity. However, Nemours developed implementation strategies for all seven opportunities identified. This document identifies the activities and programs developed and executed during 2015 as a result of the implementation plan objectives and strategies developed from the 2013 Community Health Needs Assessment.

Access to Health Services

Overview

According to the needs assessment, the Total Service Area (TSA) experienced higher than the national average levels of children who went without insurance coverage at some point in 2013 at 11.5 percent, and significantly higher among low-income and Hispanic populations at 21 percent and 15.8 percent respectively. In addition to insurance instability experienced in our TSA, families also experienced difficulties in obtaining medical care in 2013.

The three greatest barriers to access reported were inconvenient office hours, getting a doctor's appointment and finding a doctor, all statistically similar to the U.S. survey except for finding a doctor, of which our TSA fared far worse. Among the 29.6 percent of children who needed to see a specialist in 2013, 35.6 percent had a major or moderate problem obtaining specialty care for the child. In addition, 25.5 percent reported that it took 20 or more days to get an appointment.



Objectives:

1. To provide coordinated, comprehensive and culturally appropriate care to children and families of Central Florida.
2. To increase access to primary, specialty and subspecialty health care for children in Central Florida.

Implementation Strategies:

- A. Create **Programs and Initiatives** to increase access to specialty care.
- B. Maintain **Satellite Operations** to extend specialty care into the community.
- C. Provide **Unique Service Offerings and Subspecialty Care** that is not otherwise accessible in the Central Florida community.

Evaluation:

1. Track programs, initiatives, unique service offerings and specialty care brought to the community to address needs.

Programs and Initiatives

- **Nemours KidsTRACK – Coordinated Care and Access to Community Health Services**

By the numbers in 2015:

- 606 attendees participated in programs/workshops including Nemours BrightStart! (NBS!), Sickle Cell Comprehensive, Healthy Choices, Healthy Lifestyles, Diabetes Education, Spanish classes, Safety Events, Carb Counting and the Food Allergy Forum.

Satellite Operations

▪ Specialty Clinic Operations

By the numbers in 2015:

Patient visits

- Lake Mary – 13,833
- Downtown Orlando – 28,878
- Brevard County (Viera Clinic moved to Melbourne) – 6,432
- NCH Outpatient Clinic – 71,819

▪ Primary Care

- Ten Nemours doctors volunteered their time over four days to provide 230 free back-to-school physicals for low-income children at Shepherd's Hope locations in Central Florida.
- Our Children's Health Alliance (CHA) added one primary care office in the Central Florida market in Sanford for a total of 13 primary care offices.
- Nemours Urgent Care Center moved to a new location in Kissimmee.
- Nemours CareConnect, a telehealth service, launched in November 2015. Using Nemours CareConnect, families can access Nemours pediatric care through their smart phone, tablet or computer 24 hours a day, seven days a week.
- Four Nemours doctors volunteered their time at the Down Syndrome Association of Central Florida's Saturday's Clinic.

▪ Unique Service Offerings and Subspecialty Care

- HUG ME Center for HIV/AIDS
- Multidisciplinary Muscular Dystrophy Clinic
- Early Autism Clinic
- Behavioral Analysis Clinic
- Cystic Fibrosis Clinic
- Pediatric Interventional Radiology



Nutrition, Physical Activity & Weight

Overview:

Obesity and Nutrition was identified by families surveyed in our Total Service Area (TSA) as the number one perceived health issue for children and teens. More than 50 percent of those surveyed believe community resources are insufficient and/or not available for Obesity and Nutrition. Of those surveyed, 8.8 percent perceive limitations to physical activity, with 89.9 percent as a result of a long-term health condition such as ADHD, autism or asthma. While the prevalence of overweight and obese for the total TSA is less than the national average, it is significantly higher in Osceola County at 40.7 percent, and higher among the low-income population at 40.9 percent and ethnic minorities – Hispanic: 32.7 percent; other races excluding Black, White, and Hispanic: 35.2 percent. The TSA also reports less than the national average on consumption of fruits and vegetables and daily physical activity.

Objectives:

1. To reduce the number of children in Central Florida who are overweight or obese.
2. To increase education and awareness of lifestyle habits that contribute to being overweight and obese, and resources that are available in the community to children and families to live healthier lifestyles.

Implementation Strategies:

- A. Build **Wide Dissemination and Targeted Saturation Community Prevention Programs** that target obesity prevention in early childhood.
- B. Facilitate **National Prevention Programs** that spread best practices in obesity prevention.
- C. Provide **Educational Classes and Resources** to teach families how to plan and prepare balanced, healthier meals and incorporate physical activity into their lives.
- D. **Leverage Community Partnerships** to disseminate messaging around healthy eating and active living.
- E. Conduct **Clinical Programs and Research** to find effective tools to treat children with obesity.

Evaluation:

1. Track community participation in programs and events and dissemination of healthy messaging collateral.

▪ **Wide Dissemination and Target Situation Community Prevention Programs**

By the numbers in 2015:

- 129 child care providers have been trained to help children grow up healthy and ready to learn for kindergarten
- 2,333 children and their families have been impacted by Nemours healthy messaging
- Nemours Florida Prevention Initiative (FPI) partnered with the Second Harvest Food Bank, Early Learning Coalition of Orange County, Little Angels and Pine Hills Preschools and Nemours Associates to pack 2,700 meals to make 900 weekend food packs for 100 preschoolers at risk for food insecurity and obesity in two Pine Hills child care sites. The weekend food packs were distributed over five Fridays to the preschoolers.

▪ **National Prevention Programs**

- Early Care and Education Learning Collaboratives in Central Florida served 5,000 children in 2015

▪ Educational Classes and Resources

- Nemours Healthy Lifestyle Class served 50 families in 2015
- Florida Prevention Initiative Resources
- Central Florida Pediatric Society
- Leadership Orlando Workshop
- Heart of Florida’s Back-to-School Event
- Winter Park Community Awareness Fair & Family Event
- Seminole County Department of Health Back-to-School Event
- Healthy Eating and Physical Activity Summit hosted by Florida Recreation & Parks Association
- Hunger Relief Forum
- Learning Circle Training
- Osceola County Family Connect Event
- Nemours Career Exploration Lunch Roundtable
- Physical Activity and Wellness for Children With/Without Disabilities
- YMCA’s Alliance Leadership Conference
- Nemours Health Promotion – School Health Advisory Council – Seminole County
- Annual Osceola County Early Educator’s Conference
- UCF College of Medicine
- Orange County Public Schools’ Annual Exceptional Student Education (ESE) Family Conference
- Kinder Care Learning Center
- All Saints School
- Osceola County Library
- 8,000+ Nemours’ healthy eating, active living related materials have been disseminated to the community through trainings, partnerships and events.



▪ Leverage Community Partnerships

- Osceola Department of Health
- Early Learning Coalition of Orange County
- Winter Park Health Foundation
- Early Learning Coalition of Osceola County

▪ Clinical Programs and Research

- Healthy Choices Clinic – The Nemours Healthy Choice Clinic, an outpatient pediatric weight management program, provided multidisciplinary care to children in the Central Florida community
- Biomedical Research – Jason E. Lang, MD, MPH, is working on the *Lifestyle Intervention For Asthma (LIFA)* study.
- Nemours Weight Management Division launched a pilot study to engage families in treatment with activity trackers

Prenatal & Infant Health

Overview:

The infant mortality rate in our TSA is higher than both the Florida and national averages at 7.8 per 1,000 live births and significantly higher in Orange and Osceola counties at 8.3 and 8.6 per 1,000 live births, respectively. In the non-Hispanic black population, this increases to 15.6 per 1,000 live births.

Objectives:
1. Positively impact the infant mortality rate in the four-county TSA.
2. Increase education and awareness of prenatal and infant health issues among health care providers in Central Florida.
Implementation Strategies:
A. Provide Prenatal Education to moms, families and providers that promotes healthy pregnancies and safe deliveries.
B. Create Infant Health Programs and Outreach that provide services, education and support to families and providers.
Evaluation:
1. Track participation and feedback in prenatal and infant health education programs.

▪ Community Education/Awareness

- Nemours Primary Care doctors conducted Baby Basic classes for expectant parents at Babies R Us locations throughout Central Florida.
- Thomas A. Lacy, MD, and Kenneth A. Alexander, MD, PhD, spoke at the Healthy Start Annual Baby Shower 2015 for Seminole County. Nemours Primary Care doctors were present to answer questions at this event as well.
- Nemours Primary Care doctors participated in the Kit & Kaboodles Event, Clermont Baby Fair and Baby Expo Extravaganza for first-time expectant parents in the Central Florida area.
- Nemours was involved in establishing the Mother's Milk Bank of Florida in Orlando.
- Nemours Children's Hospital hosted a Certification Lactation Counselor (CLC) week-long training course. The CLC training had a total of 43 participants of which seven were Nemours Associates (four NCH RNs, one NCH DTR, one TLC ARNP and one FPI manager). Of the 43 participants, 42 took the exam through the Academy of Lactation Policy and Practice. Of the 42, three were retakes, and 36 total passed the exam and became certified CLCs.
- Nemours was a sponsor and had a booth at the *Miles For Milk 5K*.
- Hubert Swana, MD, presented a lecture on Spinal Bifida at the Spina Bifida Central Florida Association conference.
- In partnership with the Osceola County Health Department, Healthy Start and Osceola County Library, Caroline Chua, MD, created a series of discussions on issues important to the health of moms and babies called *Building Healthy Families*. The series was held at Hart Memorial Library and had the following Nemours speakers: Kenneth Alexander, MD, PhD – Immunizations, Yahdira Rodriguez Prado, MD – Breastfeeding and Caroline Chua, MD – Keeping Babies Safe.
- Layne Petrino, ARNP, neonatal nurse practitioner organized *Health and Cost Outcomes of Human Milk Feeding* in the NICU presentation.
- Layne Petrino, ARNP, neonatal nurse practitioner, is the chair for the Mother's Milk Bank of Central Florida, and Yahdira Rodriguez Prado, MD, is on the board of the Mother's Milk Bank of Central Florida.
- Caroline Chua, MD, was the speaker at the *March of Dimes: Babies, Business, and the Bottom Line* Breakfast.
- The Florida Neonatal Neurologic Network Annual Meeting was held at Nemours Children's Hospital.
- Eva Nunlist, DO, conducted a lecture on *Newborn Screening for Congenital Heart Disease* for UCF Medical Students.

Secondary Health Concerns: Health Education

Overview:

In the TSA, parents report significantly less awareness than the national average of local parenting education programs, at 42.3 percent, and significantly lower in Osceola County at 29.2 percent.

Objective:
1. Increase awareness of and participation in community health education programs for children, families and community health care providers.
Implementation Strategies:
A. Provide Health Education for Patients and Families both within our walls and in the community.
B. Extend content expertise through Community Health Care Provider Education programs.
C. Foster the Education of Future Health Care Leaders .
Evaluation:
1. Track participation in health education programs and dissemination in educational materials.

Health Education for Patients and Families

- KidsHealth.org
 - In 2015, 736,499 visits to our widely acclaimed Nemours Center for Children’s Health Media (KidsHealth) education website came from the Central Florida area.

- KidsTRACK
 - 606 attendees participated in programs/workshops such as the following: Nemours BrightStart!, Sickle Cell Comprehensive, Healthy Choices, Healthy Lifestyles, Diabetes Education, Spanish classes, Safety Event, Carb Counting and the Food Allergy Forum

- Nemours BrightStart! (NBS!) Early Literacy Screenings in 2015
 - NBS! conducted 139 child reading readiness screenings in the Central Florida area.
 - NBS! attended community events and held workshops at events such as Central Florida Farm Share Festival, Orange County Public Schools (OCPS) Parent Academy, Orange County Public Schools Annual ESE Conference called *Parents United with Leaders, Students, and Educators (PULSE)*, and the Osceola School Health Advisory Council.
 - NBS! conducted literacy screenings at the UCF Book Fair event for 300 children.

- Condition-Specific Support Sessions and Education
 - On May 6, 2015, Nemours launched the Cancer Center on Nemours.org
 - Nemours provides condition-specific support and educational events, many held in KidsTRACK, to serve patients and families including:

By the numbers in 2015:

- Bi-weekly Type I Diabetes Support Sessions – 37 attendees
- Sickle Cell Comprehensive Sessions – 140 attendees
- Food Allergy Research & Education (FARE) Forum – 30 attendees
- Early Literacy Parent Education Series – 212 attendees
- Florida Down Syndrome Conference – 200 attendees

■ Community Continuing Medical Education

- *Adolescent Depression and Suicide: Screening, Assessment and Treatment in Primary Care* – 4/8 and 4/9, 2015, – Twenty four participants were engaged in the topic using lectures, interactive discussion and simulation provided through standardized patients by using actors to portray adolescents coming in for an office visit to teach pediatricians how to assess for and treat adolescent depression.
- *Hot Topics in Pediatrics at Disney's Boardwalk Resort at Walt Disney World Resort®* – 7/15 – 7/18/2015. With attendance of more than 207 participants, this new annual conference covered topics including concussion, cardiology, genomics, gastroenterology and infectious diseases. Hands-on training was provided in office procedures and concussion. There was also an entire day devoted to quality improvement.

■ First Annual Nemours School Health Conference

- In August, Nemours welcomed over 100 school nurses from school districts across Central Florida for a complimentary health conference. The day included workshops on child mental health, life support, seizures, diabetic care, asthma and caring for children with special needs. The program was facilitated by Nemours pediatric specialists to share the best practical applications to manage these critical health needs in a school environment. The conference topics and workshops addressed the most common diagnoses that are typically seen in Central Florida school districts clinics based on each county's school health reports.

■ Osceola School Nurse Continuing Education Program

- Lori Alturo, respiratory therapist – Trach Training
- Kenneth Alexander, MD, PhD – Infectious Disease
- Shiva Kalidindi, MD – Emergency Situations
- Brenda Montane, MD – Kidney Disorders
- Michael Kirk, medical simulation specialist – Triage Training
- Tomislav Ivsic, MD – Common Cardiac Disease

■ Asthma Education

- Kathleen Adragna, ARNP – Brevard School Nurse Training Session
- John Rendle, respiratory therapist – Nemours School Health Conference Workshop

■ Community Diabetes Education was conducted for the following:

- Kim Rossi, diabetes educator, presented at the *Seminole High School & Nemours School Health Conference*.
- Kim Rossi worked with Volusia, Lake, Seminole, and Orange counties' public schools to revise the Central Florida Diabetes Medical Management Plan

▪ Florida Down Syndrome Conference

- Some of the nation’s most widely recognized authorities, speakers and self-advocates in the Down Syndrome community came together at Nemours Children’s Hospital in February for the *2015 Florida Down Syndrome Conference*. A group of respected experts, including several Nemours specialists (Julie Wei, MD, Roberto Gomez Suarez, MD, Tomislav Ivsic, MD, Eva Nunlist, DO, Eva Nunlist, DO, and Floyd Livingston, MD), addressed topics and best practices for treating children and adults with Down syndrome. Over 200 families participated in the event.

▪ PULSE Conference

Nemours sponsored and participated in the OCPS 2015 *Parents United with Leaders, Students, and Educators (PULSE)* event. The focus of the PULSE conference is to provide awareness and strategies to inform, promote and support the achievement of students with disabilities and their families. Parents, educators, administrators, advocates, self-advocates, professionals and many others may participate in this conference to gain skills and information vital to their success. Carol Quick, EdD, Margie Natera, MPH, Mandy Layman, MS, RD, LD/N, CDE, Amanda Montgomery, RD, LD/N, LCSW, Mike Campbell, PhD, LCSW and Monica Nebel, BSN, RN, from Nemours presented at the PULSE Conference.

- Amanda Montgomery, RD, LD/N, LCSW – “Bullying and Special Needs Kids” at the 2015 Pulse Conference at UCF Education Building, Teaching Academy, and Morgride International Reading Center (MRIC) sponsored by OCPS Parent Support Team at University High School.
- Jessica Pierce, PhD, and Sara Jordan, PhD – “Relations between Age, Diabetes-Specific Routines, and Adherence in Adolescents with Type 1 Diabetes.” (Poster presented at the 2015 Society for Pediatric Psychology Annual Conference.)
- Jessica Pierce, PhD, Johanna Carpenter, PhD, Jennifer Shroff-Pendley, PhD, Alan Delamater, PhD, and Dennis Drotar, PhD – “Developmental Relations between Age, Metacognition, and Diabetes Responsibility among Children and Adolescents with Type 1 Diabetes.” Poster presented at the 2015 Society for Pediatric Psychology Annual Conference.
- “Children with Autism Spectrum Disorder.” Poster Session at Focused Inquiry Research Experience (FIRE) Conference, University of Central Florida College of Medicine (March 2015), Orlando, Fla.
- Kimberly Renk, PhD, and Neil W. Boris, MD, (March 2015) – “Creating a Circle of Security for Substance-Involved Mothers and Their Parenting.” Poster presented at the Bi-Annual Convention of the Society for Research in Child Development, Philadelphia, Pa.
- Neil W. Boris, MD – “The Promise of Baby Courts: Helping Families Change,” Opening Plenary, Florida Early Childhood Court Summit, Tampa, Fla., April 2015.
- Kimberly Renk, PhD, and Neil W. Boris, MD – “Embedding Circle of Security Parenting Into Community,” June 2015.
- “The Case for the Central Role of Parenting Intervention in the Care of Substance-Abusing Adults,” Department of Child Welfare/Family Intensive Treatment Statewide Retreat, Daytona, Fla., October 2015.
- Beth Long, PsyD, Chris Borrillo, MD, and Neil Boris, MD: Grand Rounds Presentation @ NCH – “High Utilizers and Frequent Flyers,” Nov 11, 2015.
- Beth Long, PsyD, Krisann Draves, ARNP, and Paula Bowers, LCSW – “Utility of Psychology in dealing with IBD,” Saturday, Dec. 12, 2015, at Nemours Children’s Hospital.
- Lloyd Werk, MD, MPH, Lunch & Learn, UCF COM – “Caring for Children With Obesity; December 15, 2015.
- Margie Natera, MPH – “Breastfeeding and Your Child,” Breastfeeding Lecture at the Osceola Health Department, Kissimmee, Fla., Oct. 29, 2015.
- Lloyd Werk, MD, MPH – Address to UCF COM Jewish Students Association, University of Central Florida College of Medicine, Orlando, Fla., “Whoever Saves One Life,” Sept. 8, 2015.
- Margie Natera, MPH, and Mandy Layman, RD, LD/N – “Healthy Habits for Life Starts with 5-2-1-Almost None;” presentation to PULSE Conference, Annual ESE (Exceptional Student Education) Family Conference, Orange County Public Schools, Feb. 21, 2015.

- Lloyd Werk, MD, MPH – UCF MS lecture – “Cycling through the Model for Improvement & Childhood Obesity.”
- Margie Natera, MPH – “Providers Helping Children Grow Up Healthy and Ready to Learn.” Kids Prep School. Feb. 24, 2015.
- Kelly Rogers, MPH – “Helping Children Grow Happy, Healthy and Ready to Learn.” Kinder Care Learning Center, March 18, 2015.
- Carla Holder, MD – “It’s Time for a Healthier Me;” presentation to Valencia College students in partnership with Osceola County Department of Health, Fetal and Infant Mortality Review (FIMR), Community Action Team. April 30, 2015.
- Lloyd Werk, MD, MPH – “Disconnect to Reconnect: Screen Time & Your Family,” All Saints School, Sept. 24, 2015.
- Jane Benton, MD – “Clinical Approaches to Childhood Weight Management.” YMCA Leadership Conference, Orlando, Fla., Oct. 29, 2015.
- Kenneth Alexander, MD, PhD – “An Adolescent Immunization Program in the Chicago Public Schools,” PITCH Grant Stakeholder Meeting, Moffitt Cancer Center, Tampa, Fla., Jan. 14, 2015.
- Kenneth Alexander, MD, PhD – “Sorting Out Antibiotics, Prevention and Treatment of Fungal Infections in the NICU, Culture-Negative Sepsis: What Is It, and What Can We Do About It?”; and “Problem Infections in the Nursery,” IPOKRATES Continuing Medical Education Seminar, Neonatal Infections and Immunity, Yogyakarta, Indonesia, Jan. 22-24, 2015.
- Kenneth Alexander, MD, PhD – “Successful Vaccination: Manufacturers, Government, and Immunizers Working Together; Why adolescent HPV vaccination, and why pediatric providers?” (Keynote); and “Creating a Large-scale HPV Immunization Program: Each of Us Has a Role to Play,” Russian Pediatric Society Annual Meeting, Moscow, Russia, Feb. 13-14, 2015.
- Kenneth Alexander, MD, PhD – “Measles? In 2015? What Gives?” Annual town hall meeting keynote address, Seminole County Health Department, Lake Mary, Fla., March 26, 2015.
- Kenneth Alexander, MD, PhD – “Vaccinating Your Baby: Starting the Life-long Health Journey,” with Thomas Lacy, MD, Seminole County Baby Shower, Seminole County Health Department, Lake Mary, Fla., April 9, 2015.
- Kenneth Alexander, MD, PhD – Online CME presentation, Medscape Pediatrics, “Overcoming Challenges to Adolescent Immunization,” <http://www.medscape.org/viewarticle/846385>, July 2015.
- Kenneth Alexander, MD, PhD – “An Update on HPV Cancer Prevention,” PriMed CME Conference, with Rachel Caskey, MD, MAPP, Boston, MA, Sept. 9, 2015.
- Kenneth Alexander, MD, PhD – “An Update on HPV Cancer Prevention,” PriMed CME Conference, with Rachel Caskey, MD, MAPP, Rosemont, IL, Oct. 16, 2015.
- Caroline Chua, MD – March of Dimes: “Babies, Business, and the Bottom Line,” Breakfast Meeting, Feb. 26, 2015; Orlando, Fla.
- Caroline Chua, MD – Florida Neonatal Neurologic Network Annual Meeting/Conference held at Nemours Children’s Hospital on Aug. 1, 2015.
- Bahram Kakavand, MD, Roberto Gomez Suarez, MD, and Kelsey Childress, BS – “Increased Incidence of Celiac Artery Stenosis in Patients with Postural Orthostatic Tachycardia Syndrome,” Poster presentation in Washington, D.C., Oct. 7-11, 2015, at NASPGHAN (North American Society for Pediatric Gastroenterology, Hepatology and Nutrition) Annual Meeting.
- Eva Nunlist, DO, and Tomislav Ivacic, MD, “Cardiac Issues in Children with Down Syndrome” presentation at the Florida Down Syndrome Conference 2015, Nemours Children’s Hospital, Orlando, Fla., Feb. 28, 2015.
- Jordan Smallwood, MD – “Hives: Are We Just Scratching the Surface?” at the noon lecture for medical students at Nemours Children’s Hospital on Aug. 6, 2015.
- Jordan Smallwood, MD – “Hives: Are We Just Scratching the Surface?” at the noon lecture for medical students at Nemours Children’s Hospital on Oct. 22, 2015.
- Jordan Smallwood, MD – “Primary Immunodeficiency” at the noon lecture for medical students at Nemours Children’s Hospital on Nov. 19, 2015.
- Ansley Hodges, BCBA, and A. Bennett “Using Pairing Approach to Improve Social Interactions in Children with Autism Spectrum Disorder.” Poster Session at FIRE Conference University of Central Florida College of Medicine, Orlando, Fla., 2015.

- Neil W. Boris, MD – Instructor at Circle of Security Training, 3/2-3/5 Broward County.
- Ansley Hodges, BCBA – March 31, 2015: Presentation at Rollins College, “Applied Behavior Analysis and Nemours.”
- Jessica Pierce, PhD – Presented two lectures to the counseling and targeted case management staff at Children’s Home Society regarding psychosocial aspects of Type 1 diabetes.
- Beth Long, PsyD – Organized multidisciplinary conference with Feeding Team from Wisconsin Children’s Hospital as Planning, Grants, And Research (PGR) speakers with breakout sessions that followed on nutrition, behavioral health and speech therapy.
- Ansley Hodges, BCBA, Alison Betz, PhD, and L.M. Hurtado – “The Effect of Hierarchical Presentation of Steps on Food Acceptance,” Paper presented at the Annual Conference of the Florida Association for Behavior Analysis, Sept. 30-Oct. 3, 2015, Daytona, Fla.
- Ansley Hodges, BCBA, Alison Betz, PhD, and Lianne M. Hurtado, BCABA – “Assessing the Number of High-Probability Requests to One Low-Probability Request in the High-Probability Command Sequence.” Paper presented at the Annual Conference of the Florida Association for Behavior Analysis Sept. 30-Oct. 3, 2015, Daytona, Fla.
- Ansley Hodges, BCBA, Alison Betz, PhD, and Lianne M. Hurtado, BCABA – “The Effects of Hierarchical Presentation of Steps and Modeling on Food Acceptance,” symposium presented at the 35th Annual Meeting for the Florida Association for Behavior Analysis Sept. 30-Oct. 3, 2015, Daytona Beach, Fla.
- Shayan Vyas, MD – “Pediatric Direct to Consumer Telemedicine” at *Taking on Tomorrow, Boston Children’s Hospital’s Global Pediatric Innovation Summit + Awards 2015*, Nov. 10, 2015.
- Heather Fagan, MD – “Inferior Vena Cava Collapsibility and Vascular Reactivity in Pediatric Patients,” SCCM Congress, 2015.
- Shayan Vyas, MD – Sepsis Lecture at Central Florida Health Centers in Winter Haven, Fla., June 2015.
- Heather Fagan, MD – “Pediatric Critical Care, Poisoning and Environmental Exposure, Pharmacology and Pain Management,” General Pediatrics Board Review course hosted by the American Physician Institute in Chicago on Aug. 22, 2015.
- Shiva Kalidindi, MD – Global Health Conference, University of Central Florida College of Medicine, Orlando, Fla.
- Shiva Kalidindi, MD – Pediatric EM Case Presentation Webinar Series, EMS Providers, Florida.
- Shiva Kalidindi, MD and Michael Kirk, EMTP, medical simulation specialist – “Utilizing Simulation for Pediatric Patient and Family Education: The New Frontier in Patient- and Family-Centered Care.”
- Lori Alturo, BS, RRT-NPS, respiratory therapist, Daniel Franceschini, MSN, RN, EMT, and Shiva Kalidindi, MD – “Mock Code for Real Changes: A Program Designed to Identify and Address Operational Deficiencies.”
- Eric Cohen, MD, Jennifer Setlik, MD, and Mike Campbell, PhD, LCSW — “Reducing Pediatric Emergency Department Utilization and Barriers to Care: An Interprofessional Approach Using Care Coordination,” presented at IHI, Orlando, Dec. 8, 2015.
- Bibi Nazeema Khan-Assad, MD – “Pediatric Pearls,” Winter Symposium Florida Association of Physician Assistants, a one-hour presentation, Feb. 14, 2015, Orlando, Fla.
- Bibi Nazeema Khan-Assad, MD – “Pediatric Head Injury and Concussion,” Webinar presentation for EMLRC, April 23, 2015.
- Bibi Nazeema Khan-Assad, MD – “ABCs of Pediatrics for EMS,” May 28, 2015, Conference Chair.
- Roberto Gomez Suarez, MD – 2015 Health Care Design Conference—Educational Session Agreement.
- Roberto Gomez Suarez, MD, James P. Franciosi, MD, Richard Sandler, MD, Jolanda Denham, MD, Cartland Burns, MD, Tamarah Westmoreland, MD, PhD, Fabiola Weber-Guzman, MD, and Craig Johnson, DO – “Wirsungorrhagia From a Pseudoaneurysm Rupture of the Pancreatoduodenal Artery in a 6-Year Old Girl With Pancreatic Pseudocyst From Recurrent Pancreatitis” Poster presentation in Washington, D.C., Oct. 7-11, 2015, at NASPGHAN (North American Society for Pediatric Gastroenterology, Hepatology and Nutrition) Annual Meeting.
- Lloyd Werd, MD, Angela Fals, MD, Devendra Mehta, MD, Robert Miles, MD – “Resources in Central Florida for Management and Prevention of Obesity in Children and Adolescents,” Central Florida Pediatric Society; Speaker and Panelist, Dec. 2, 2015.

- Lorie Ingraham, ME, Lorie Ingraham, ME, Crutchfield J., Marks Y., Tim Wysocki, PhD, Maria Carmen Diaz, MD, James P. Franciosi, MD, – “A Structured Approach for Selection of Interventions to Improve Physician Knowledge Retention,” Poster presentation in Orlando, Fla., Nov. 30 – Dec. 4, 2015, at the Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC).
- Kelly Rogers, MPH – “Helping Children Grow Up Health and Ready to Learn,” the 11th Annual Osceola County Early Educator’s Conference, Kissimmee Fla., March 14, 2015.
- Lloyd Werd, MD – “The Nemours Promise Project; presented in the Cross Sector Partnerships Panel: Ensuring Food Security for Our Community’s Youngest Children,” 9th Annual UCF Public Administration Research Conference; Hunger in a Land of Plenty: Policies, Programs and Solutions to Promote Food Security, University of Central Florida, Orlando, Fla., Orange County in Action; March 27, 2015.
- Margie Natera, MPH, Sarah Kirchner, MS – “Theory to Practice: Practical Applications and Evaluation of Child.”
- Kenneth Alexander, MD, PhD – “Fevvers 2015, Mosquito-borne Diseases,” OMED15, American Osteopathic Association national meeting, Orlando, Fla., October 20, 2015.
- Karen Pierce, RN, CNE and Caroline Chua, MD – “Successful Use of the Vacuum Immobilizer for Brain MRI Beyond the Neonatal Intensive Care Unit, Poster Presentation” at the 15th National Neonatal Nursing Conference Orlando, Fla., Sept. 17, 2015.

■ **Education of Future Health Care Leaders**

- Nemours hosted the Osceola Medical Pipeline’s Health Leaders Academy for an interactive tour and panelist discussion.
- In October 2015, Nemours Children’s Hospital hosted our Career Exploration Day and invited 200 high school students from health academies/magnet programs from Orange, Osceola, Volusia, Brevard and Seminole counties public schools to NCH. The attendees listened to various presenters discuss their career paths in their medical field. During the Career Luncheon, Nemours Associates from diverse medical fields rotated through the student tables to discuss their career paths.
- Nemours hosted 219 students from medical schools for casual student observations in 2015.
- Nemours Children’s Hospital had 513 undergraduate and graduate level interns from disciplines including nursing, social work, public health and health administration.



Injury & Safety

Overview:

Child and adolescent mortality rates in our TSA are, on average, lower than the national rates with the exception of the 14-year-old age group which is significantly higher at 35.7 per 100,000. The number one leading cause of death among children ages 1-19 is accidents, primarily drowning in ages 1-4 and motor vehicle accidents in ages 15-19. Additionally, seat belt safety and safety seat use among children is slightly below the national average in our region.

Objective:

1. Increase awareness of and participation in community safety and injury initiatives and programs.

Implementation Strategies:

- A. Provide **Safety/Injury Education** to patients and families.
- B. Create targeted **Safety/Injury Initiatives** to serve the needs of the community.

Evaluation:

1. Track participation in and feedback of community safety and injury initiatives and programs.

▪ Safety/Injury Education

- Car Seat Installation
Nemours Associates continue to educate patient families on how to properly install car seats and plan to train additional Nemours Associates in 2015 to expand services.
- ABC's of Pediatric EMS
This course educates EMS professionals on how to assess a pediatric patient in the field by using simulation-based skills refinement and critical thinking.

▪ Safety/Injury Initiatives

- Concussion Treatment and Prevention Program
 - Research by Nemours' Todd Glass, MD, cautions parents and providers about unnecessary CT Scans in treating kids with sports-related head trauma.



Mental & Emotional Health

Overview:

While the majority of our TSA in total reports Excellent/Very Good mental health, 14.7 percent of low-income and 12 percent of Hispanic children report experiencing Fair or Poor mental health, which is significantly higher than the national average. Parents report that 17.8 percent of teens, 18.5 percent of low-income and 17.1 percent of Hispanic children have needed mental health services in the past year, compared to 13 percent in the TSA and 13.1 percent in the U.S. However, parent awareness of mental health services in the TSA is lower than the national average of 68.8 percent at 54.8 percent, and significantly lower in Orange County at 50.3 percent.

Objective:

1. Increase access to outpatient and community mental health services.

Implementation Strategies:

- A. Develop **Outpatient Mental Health Programs** to expand mental health services.
- B. Develop **Community Mental Health Programs** to extend services into the community.

Evaluation:

1. Track usage and feedback of outpatient and community mental health services.

■ Autism

- At Nemours Children’s Hospital (NCH) Emergency Department (ED), the recently enacted REACH (Respecting Each Awesome Child Here) program identifies children who have autism when they enter the ED. The family is then offered the option of a more soothing, quieter waiting area stocked with sensory toys, headphones and iPads.
- 290 children were screened for autism by our Nemours team at NCH and at community events in Central Florida.

■ Community Mental Health Programs

- BETA House: The Nemours Division of Behavioral Pediatrics extended their resources to bring a Mental Health Clinic to Beta House to treat 21 patients in 2015.
- Upstander Program: Amanda Montgomery, RN, RD/LN, LCSW, held various community talks/sessions regarding bullying in the adolescent population.



Vision, Hearing & Screening

Overview:

In the TSA, 4.2 percent of children have uncorrectable vision problems, which is higher than the national average of 1.9 percent. Children in Orange and Seminole counties have a significantly higher prevalence, both at five percent.

Objective:

1. Increase early vision screenings in community settings, specifically in early childhood.

Implementation Strategies:

- A. Provide **Community Screenings** in early childhood settings.

Evaluation:

1. Track screenings provided to children in preschools and elementary schools.

- **Heart of Florida Community Event** – Vision screening for 100 children
- **Down Syndrome of Central Florida’s Community Clinic** – Vision screening for 12 children
- **Our Healthy Eyes**
 - 29 child care sites participated
 - 88 classrooms
 - 1,436 children educated
 - 876 children received vision screenings

Boards & Leadership

American Heart Association

American Lung Association (National)

Boy Scouts of American Central Florida Council

Children's Home Society

Crohn's & Colitis Foundation of America, Central & Northeastern Florida Chapter

Cystic Fibrosis Foundation

Down Syndrome Association of Central Florida

Early Learning Coalition of Orange County

Early Learning Coalition of Osceola County

Early Learning Coalition of Seminole County

East Orlando Chamber of Commerce

Get Active Orlando!

Give Kids the World

Healthy Orange Coalition

Heavenly Hooves

Mother's Milk Bank of Florida

Orange County Healthy Start Coalition

Orange County Public Schools School Health and Wellness Advisory Committee

Orlando Philharmonic Orchestra

Primary Care Access Network

Reduce Obesity in Central Florida Kids (ROCK)

Ronald McDonald House Charities of Central Florida

Runway to Hope

Shepherd's Hope

Special Olympics Florida

Spina Bifida Association of Central Florida

UCF Longitudinal Curriculum

United Arts



Community Events & Sponsorships

100 Black Men Scholarship Dinner
11th Annual Diamonds & Denim Gala
3rd Annual Miles for Milk 5k
8th Annual Fit-n-Fun Fest
An Evening with Fabulous Friends
Appetite for the Arches
Black and White gala
Boys Town 5K
CCFA Education Conf at NCH
Celebrate the Children
Corporate Kick-Off Luncheon for the JDRF One Walk
Crystal Ball
Dance, Dream, Inspire
Fall Fashion Give Back
Famous Faces
FARE Symposium
FARE Walk for Food Allergy Orlando
Give Kids the World
Golden Eagle Dinner, Brevard County
Golden Eagle Dinner, Orlando
Golden Eagle Dinner, Seminole County
Great Strides Walk
Heart Ball
Heart Walk – Central FL
Heart Walk – Osceola County
Heart Walk – Pensacola
Indian River Healthy Start Coalition
JDRF One Walk (formally JDRF Walk to Cure Diabetes)
Kidsfest
LUNG FORCE Run/Walk
Make 'm Smile
March for Babies
March for Babies CEO kick-off
March for Babies Walk
MDA Muscle Walk
MUDD Volleyball
Orlando Epilepsy Walk
Polar Plunge
PULSE Conference
Ride4Ronald
Riverside Dash
Run Nona
Runway to Hope Fall Collection
Runway to Hope Spring Fashion Soiree
Special Olympics Gala 2015
Sponsor Reception for The Heart of Fashion
Take Steps Walking Towards a Cure walk
The Family Café annual conference
The Heart of Fashion Luncheon
The Holocaust Center's Annual Dinner of Tribute
The Springs 2015
Tour de Cure
UCP's Evening at the Palace
VIP Party for Heart Ball
Walk-N-Roll for Spina Bifida
Walk Now for Autism Speaks
Wishmaker's Ball

Additional Community Events

Avalon Park Health & Wellness Fair
Baby Expo Extravaganza
Boo N Brew
Boutique for a Week
City of Oviedo Family Fun Day
City of Palm Bay Employee Health & Wellness Fair
Clermont Baby Fair
Clermont National Night Out
Eagle Creek Elementary School Teach In
Florida Kids & Family Expo
Heart Healthy Community Fair
Holy Family Catholic School's 18th Annual Auction
HSCSC Annual Baby Shower
IEC Christian Academy Orientation
JOJ Baby Expo
Kit & Kaboodle
Lake Whitney Dolphin Dash 5K
Lake Whitney Elementary Meet Your Teacher
Lakeland City Baseball Opening Day
Local 6 Healthy Living Expo
Maitland Community Preschool Touch-A-Truck
Maitland Little League Opening Day
NCPC Palm Bay Meet & Greet Week
Palm Bay East Little League Opening Day
PLAYGROUND Magazine Back-to-School Bash
Sanford National Night Out
Soarin' Eagles 5K
South Lake Little League Opening Day
Stork's Nest New Arrival Community Baby Shower